

SCALANCE XRM334; managed IE switch, 19" rack; 24x 100/1000 Mbps RJ45 ports; 2x 1000/10000 Mbps RJ45 port; 8x 1G/10G SFP+ port; LED diagnostics; error signaling contact; select/set button, PROFINET IO device, network management, integrated redundancy manager, office features (RSTP, VLAN, IGMP,...) CLP included in scope of supply; power supply 24 V DC;



product type designation	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections • for network components or terminal equipment	26; RJ45
number of 10/100/1000 Mbit/s RJ45 ports / integrated • with securing collar	26
number of 1000/2500/5000/10000 Mbps RJ45 ports / integrated / with securing collar	2
number of electrical connections • for SFP+	8; 1000 Mbps and 10000 Mbps SFP usable
interfaces / other	
number of electrical connections • for operator console • for signaling contact • for power supply	1 1 1
type of electrical connection • for operator console • for signaling contact • for power supply	USB (2.0 port, type B, serial via USB) 2-pole terminal block 2 x 2-pin terminal block
design of the removable storage • CLP	Yes
signal inputs/outputs	
operating voltage / of the signaling contacts • at AC / rated value • at DC / rated value	24 V 24 V
operational current / of the signaling contacts • at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage supply / redundant power supply unit	No
type of voltage / 1 / of the supply voltage • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • supply voltage / 1 / rated value • consumed current / 1 / maximum • type of electrical connection / 1 / for power supply • product component / 1 / fusing at power supply input	DC 24 V 72 W 19.2 ... 31.2 V 3 A 2 x 2-pole terminal block Yes
type of voltage / 2 / of the supply voltage	

<ul style="list-style-type: none"> • supply voltage / 2 / rated value 	24 V
<ul style="list-style-type: none"> • power loss [W] / 2 / rated value 	72 W
<ul style="list-style-type: none"> • supply voltage / 2 / rated value 	19.2 ... 30 V
<ul style="list-style-type: none"> • consumed current / 2 / maximum 	3 A
<ul style="list-style-type: none"> • type of electrical connection / 2 / for power supply 	2 x 2-pole terminal block
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-40 ... +70 °C; Starting at -40 °C; The maximum ambient temperature during operation depends on the operating height and the plug-in transceivers, see also manual.
ambient temperature / during storage and transport	-40 ... +85 °C
installation altitude / at height above sea level / maximum	4000 m
relative humidity <ul style="list-style-type: none"> • at 25 °C / without condensation / during operation / maximum 	95 %
operating condition / fanless operation	Yes
protection class IP	IP20
design, dimensions and weights	
design	19" rack
number of modular height units / relating to 19-inch cabinet	1
width	446 mm
height	43.6 mm
depth	374.8 mm
net weight	8 kg
material / of the enclosure	metal
fastening method <ul style="list-style-type: none"> • 19-inch installation 	Yes
product features, product functions, product components / general	
cascading in cases of star topology	any (depending only on signal propagation time)
number of automatically learnable MAC addresses	16382
number of QoS queues / per port	8
product function / QoS according to IEEE 802.1Q	Yes
product feature <ul style="list-style-type: none"> • Store & Forward switching method 	Yes
product functions / management, configuration, engineering	
product function <ul style="list-style-type: none"> • CLI • web-based management • MIB support • TRAPs via email • configuration with STEP 7 • RMON • SMTP server • port mirroring • multiport mirroring • Encapsulated Remote Traffic Mirroring (ERTM) • CoS • PROFINET IO diagnosis 	Yes Yes Yes Yes Yes No No Yes Yes Yes Yes Yes Yes
PROFINET conformity class	B
network load class / according to PROFINET	2
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	9194 byte
protocol / is supported <ul style="list-style-type: none"> • Telnet • HTTP • HTTPS • TFTP • FTP • SFTP • BOOTP • NETCONF • GMRP 	No Yes Yes Yes Yes Yes Yes Yes Yes Yes

• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes
product functions / VLAN	
product function	
• VLAN - port based	Yes
• VLAN - protocol-based	No
• VLAN - IP-based	No
• VLAN dynamic	Yes
number of VLANs / maximum	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes
product functions / DHCP	
product function	
• DHCP server	No
• DHCP client	Yes
• DHCP Option 82	No
• DHCP Option 66	Yes
• DHCP Option 67	Yes
product functions / redundancy	
product function	
• ring redundancy	No
• High Speed Redundancy Protocol (HRP)	No
• high speed redundancy protocol (HRP) with redundancy manager	No
• high speed redundancy protocol (HRP) with standby redundancy	No
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function	
• media redundancy protocol (MRP) with redundancy manager	No
• Media Redundancy Protocol Interconnection (MRP-I)	No
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
• redundancy procedure MSTP	Yes
• passive listening	No
• eRSTP	Yes
protocol / is supported	
• LACP	Yes
product functions / security	
protocol / is supported	
• RADIUS	No
• SSH	Yes
• SSL	Yes
product functions / time	
product function	

<ul style="list-style-type: none"> • SICLOCK support 	Yes
<ul style="list-style-type: none"> • NTP-client 	Yes
<ul style="list-style-type: none"> • IEEE 1588 v2 transparent forwarding 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • NTP 	Yes
<ul style="list-style-type: none"> • SNTP 	Yes
<ul style="list-style-type: none"> • IEEE 1588 profile default 	Yes
accuracy / at IEEE 1588 v2	
<ul style="list-style-type: none"> • not less than 	100 µs
<ul style="list-style-type: none"> • typical 	50 ns
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	No
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM 	in preparation
<ul style="list-style-type: none"> • for safety / from CSA and UL 	in preparation
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
MTBF	13.2 a
<ul style="list-style-type: none"> • reference temperature 	40 °C
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	KF
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
<ul style="list-style-type: none"> • for EMC interference emission 	EN 61000-6-4, EN 50121-9
<ul style="list-style-type: none"> • for immunity to EMC 	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	in preparation
<ul style="list-style-type: none"> • from CSA and UL 	in preparation
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • C-Tick 	Yes
standards, specifications, approvals / product conformity	
product conformity	
<ul style="list-style-type: none"> • according to IEEE 802.1x-port based Network Access Control 	No
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx-Download-Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity . To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com . (V3.4)

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